



FIG. 2

FIG. 5

**SANScreen**

File Edit View Action

**Violations**

- Violations
- Authorized Paths
- Paths
- Changes
- Inventory

**Authorized Paths**

- Paths
- Changes

**Switch Properties**

Current Zoning Enforcement	Unknown
Domain ID	1028
HW Zoning Capabilities	
Firmware	0
In Band	
InBand NetMask	190.190.190.255
Gateway	0
Max Modules	0
Manufacturer	

**Charge List**

Time	Event
2/25/03 1:13 PM	Switch Switch 28 up

**Topology View**

**Inventory**

**Path List**

Host	IP	Storage	LUN	Capacity	W.I.P.
Host 4	192.1.168.4	Storage 2	All		
Host 3	192.1.168.3	Storage 2	All		
Host 1	192.1.168.1	Storage 2	All		
Host 2	192.1.168.2	Storage 2	All		
Host 2	192.1.168.2	Storage 1	All		
Host 1	192.1.168.1	Storage 1	All		

**SAN Screen**

File Edit View Action

**Violations**

- Violations
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**Authorized Paths**

- Paths
- Changes

**Switch Properties**

Current Zoning Enforcement	Unknown
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**Charge List**

Time	Event
2/25/03 1:13 PM	Switch Switch 28 up

**Topology View**

**Inventory**

**Path List**

Host	IP	Storage	LUN	Capacity	W.I.P.
Host 4	192.1.168.4	Storage 2	All		
Host 3	192.1.168.3	Storage 2	All		
Host 1	192.1.168.1	Storage 2	All		
Host 2	192.1.168.2	Storage 2	All		
Host 2	192.1.168.2	Storage 1	All		
Host 1	192.1.168.1	Storage 1	All		

FIG. 6

11:37:47 PM 26/02/03

Path List

	Host	IP	Storage	LUN	Capacity	W.I.P.
1	Host 1	192.1.168.1	Storage 1	All		
2	Host 2	192.1.168.2	Storage 1	All		
3	Host 1	192.1.168.1	Storage 2	All		
4	Host 2	192.1.168.2	Storage 2	All		
5	Host 3	192.1.168.3	Storage 2	All		
6	Host 4	192.1.168.4	Storage 2	All		

Host 1

Host 2

Host 3

Host 4

Switch 27

Switch 28

Storage 1

Storage 2

The diagram illustrates a network architecture. Four hosts (Host 1, Host 2, Host 3, and Host 4) are connected to a central switch (Switch 27). Host 1 is also connected directly to Storage 1. Host 2 is connected to Storage 2. Host 3 is connected to Storage 1. Host 4 is connected to Storage 2. The connections between hosts and storage units are represented by dashed lines, while the connection between hosts and the central switch is shown with solid lines. The storage units are represented by cylinders.

FIG. 8

**SANSscreen**

**File Edit View Action**

**ONARO**

**4:44:36 PM 2/27/03**

### Authorized Path List

Host	IP	Storage	LUN	Capacity	Owner	Redundancy	W.I.P.
Host 2	192.1.168.2	Storage 0	2	2003302	onaro	Full Redundancy	
Host 3	192.1.168.3	Storage 1	19	20033019	onaro	Full Redundancy	
<b>Host 4</b>	<b>192.1.168.4</b>	<b>Storage 1</b>	<b>11</b>	<b>20033011</b>	<b>onaro</b>	<b>None</b>	
Host 5	192.1.168.5	Storage 1	12	20033012	onaro	Full Redundancy	
Host 6	192.1.168.6	Storage 1	13	20033013	onaro	Full Redundancy	
Host 7	192.1.168.7	Storage 1	17	20033017	onaro	None	
Host 8	192.1.168.8	Storage 1	18	20033018	onaro	None	
<b>SERVER 1</b>	<b>192.1.168.0</b>	<b>Storage 1</b>	<b>115</b>	<b>20033020</b>	<b>onaro</b>	<b>Full Redundancy</b>	<b>△</b>

**Violations**

- Authorized Paths
- Paths
- Changes
- Inventory

**Switches**

**Hosts**

**Storage**

**Generic devices**

**Zones**

**Topology View**

### Charge List

Time	Event
2/27/03 4:44 PM	Violation Unauthorized path is drawn between Host SERVER 1 and LUN 115 of Storage Storage 1 + Path approved between Host SERVER 1 and LUN 115 of Storage Storage 1
2/27/03 4:44 PM	+ Violation Unauthorized Path is up SERVER 1 and LUN 115 of Storage Storage 1 + Link added between Host SERVER 1 and Switch Switch 2 + Link added between Host SERVER 1 and Switch Switch 1